

FIG. 2 PRIOR ART

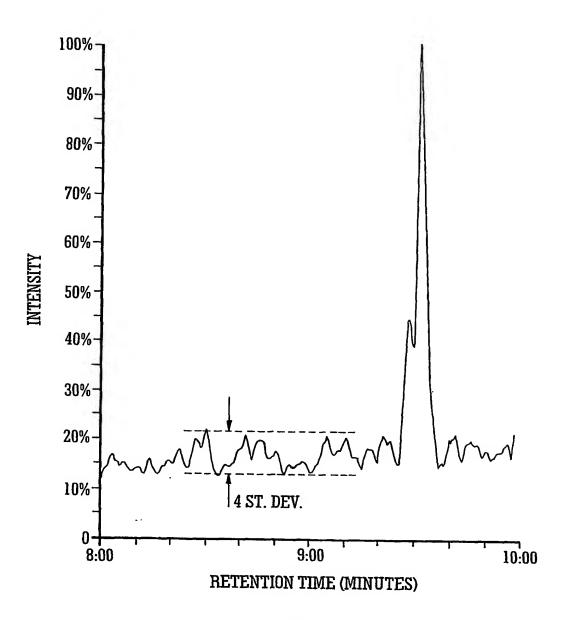


FIG. 3
PRIOR ART

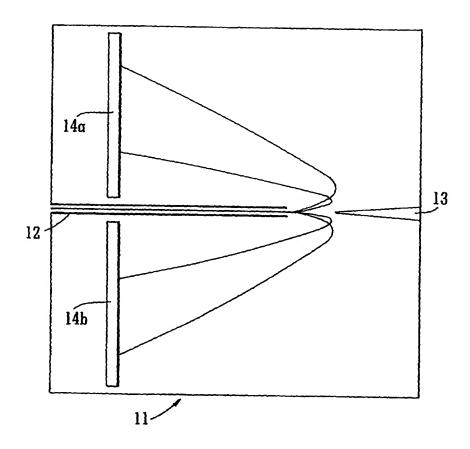


FIG. 4

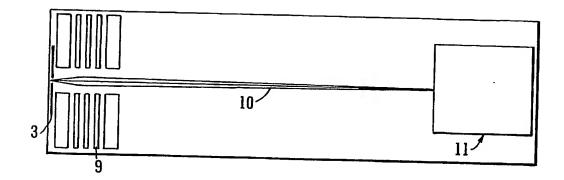


FIG. 5

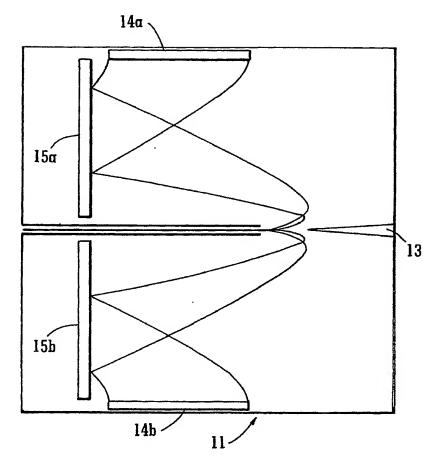


FIG. 6

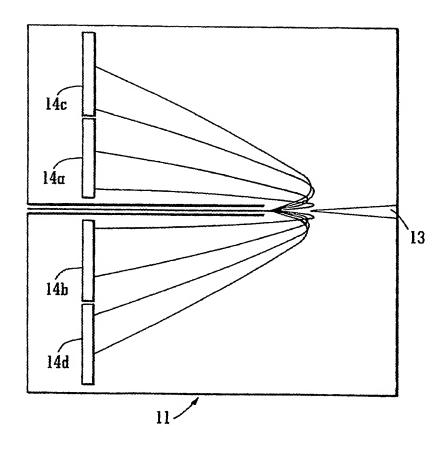


FIG. 7

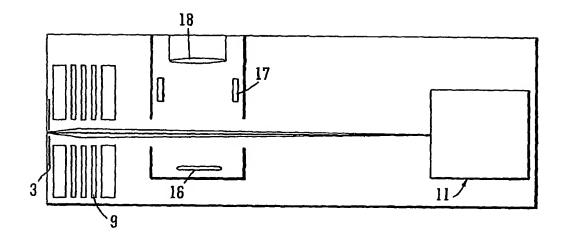
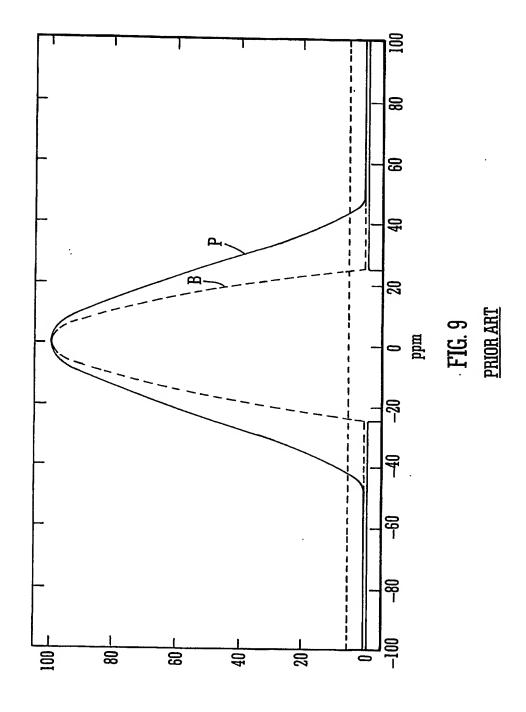
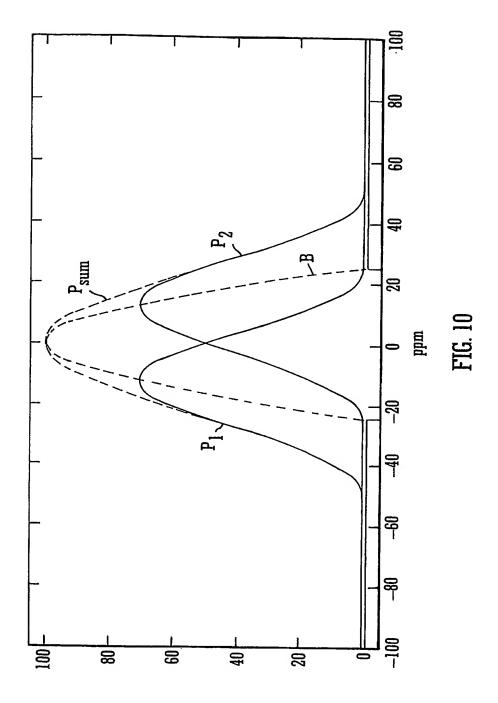


FIG. 8





Column 1 Column 2 Column 3 Column 4 Column 5 Column 5 Column 6 Column 7 Column 1 Column 10 Column	~				101	110	T ===	1.0	<u> </u>	T. =	T			
In 3 Column 4 Column 5 Column 6 Column 7 Column 8 Column 9 Ind Average Std dev Difference Difference Difference Difference Ind Count Count per (ca) for D1 in units D2 in units P1 ctor detector average of (ca) of (ca) (%) 10 detector average of (ca) of (ca) (%) 11 detector average of (ca) of (ca) (%) 12.6 13.1 6.55 2.26 2.37 2.37 98.21 14 15.9 7.94 2.82 2.14 96.76 14 18.1 9.05 3.12 0.91 0.91 63.77 10 20 10 0 0 0 0 0 12.6 19.5 9.76 3.12 0.91 0.91 63.77 4.1 18.1 9.05 3.01 1.64	Column 1	۳ %	Pr(i) =	0.064	0.032	0.105	1.033	13.125	100	13.125	1.033	0.105	0.032	0.064
In 3 Column 4 Column 5 Column 6 Column 7 Column 8 Column 8 Column 8 Column 8 Column 8 Column 8 Column 9 Column 9 Column 6 Column 7 Column 8 Column 8 Column 9 Col Column 9 Column 9 Column 9 Column 9 Column 9	Column 10	P2 (%)	P2(i) =	97.47	98.21	96.76	89.83	63.77	0	63.77	89.83	96.76	98.21	97.47
In 3 Column 4 Column 5 Column 6 Column 7 Column 8 In 3 Column 4 Column 5 Column 6 Column 7 Column 8 In 4 Total Average Std dev Difference Difference In 4 Count Count per (Ga) for D1 in units D2 in units In 4 Count Count per (Ga) for O1 in units D2 in units In 5 Sa(i) = Ga(i) = O1 in units D2 in units In 5 Sa(i) = Ga(i) = D1 in units D2 in units In 5 Sa(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = D1 in units D2 in units In 6 Ga(i) = Ga(i) = Ga(i) = D2 in units	Column 9	P1 (%)	P1(i) =	97.47	98.21	96.76	89.83	63.77	0	63.77	89.83	96.76	98.21	97.47
and Scolumn 4 Column 5 Column 6 Column		Difference D2 in units of (aa)	D2(i) =	2.24	2.37	2.14	1.64	0.91	0	0.91	1.64	2.14	2.37	2.24
and 3 Column 4 Column 5 Column 6 and count count per (ca) for ctor detector average to count count per (ca) for detector average 12.6 13.1 6.55 2.56 14 15.9 7.94 2.82 10 20 10 3.16 6.9 19.5 9.76 3.12 4.1 18.1 9.05 3.01 1.9 15.9 7.94 2.82 4.1 18.1 9.05 3.01 1.9 15.9 7.94 2.82 0.5 13.1 6.55 2.56 0.5 13.1 6.55 2.56	Column 7	Difference D1 in units of (qa)	D1(i) =	2.24	2.37	2.14	1.64	0.91	0	0.91	1.64	2.14	2.37	2.24
and Scolumn 4 Column 5 and count count per ctor detector tor count count per detector 10 10 20 10 12.6 13.1 6.55 14 15.9 7.94 14 18.1 9.05 1.9 15.9 7.94 0.5 13.1 6.55 0.5 13.1 6.55		Std dev (oa) for average	σa(i) =	2.24	2.56	2.82	3.01	3.12	3.16	3.12	3.01	2.82	2.56	2.24
ant Tot and count to the count of the count		Average count per detector	sa(i) =	5	6.55	7.94	9.02	9.76	10	9.76	9.02	7.94	6.55	9
된 부등성 (Column 4	Total)S	10	13.1	15.9	18.1	19.5	20	19.5	18.1	15.9	13.1	10
Column 1 Column 2 Shift on 1st Shift on 1st Shift on 1st -25 0 -26 0 -15 1.9 -16 -5 6.9 -5 6.9 -5 6.9 -6 10 -7	Column 3	Count on 2nd detector	s2(i) =	10	12.6	14	14	12.6	10	6.9	4.1	1.9	0.5	0
Column 1 Ion Beam Shift (ppm) i = -25 -20 -15 -15 -15 -15 -15 -15 -20 -20 -20 -20 -20 -20 -20 -20 -20 -20	Column 2			0		1.9	4.1	6.9	10	12.6	14	14	12.6	10
	Column 1	lon Beam Shift (ppm)	<u>"</u>	-25	-20	-15	-10	-5	0	5	10	15	20	25

F16. 11

Column 11	۹ (%)	Pr(i) =	6	0		0 100	0.027	0.1/3	0.937	4.194	15.191	43.817	100	43 817	15 101	7,07	4.134	0.837	0.173	0.027	C)	0	
Column 10 Column 11	P2 (%)	P2(i) =			99.70	99.59	30.33	90.04	90.32	79.52	61.02	33.81	0	33.81	61.02	70 52	19:32	90.32	95.84	98.35	99.39	92 78	99.93	
Column 9	P1 (%)	P1(i) =	00 00	00.50	00.00	33.33	00.00	93.04	30.32	/9.52	61.02	33.81	0	33.81	61.02	79 52	20:02	30.32	92.84	98.35	99.39	97 28	99.93	
Column 8	Difference D2 in units of (ơa)	D2(i) =	2 27	207	27.6	2 / 1	200	4 66	- 00	1.27	0.86	0.44	0	0.44	0.86	127	1 88	20.0	4.04	2.4	2.74	3.07	3.37	
Column 7	Difference D1 in units of (da)	D1(i) =	3.37	3 07	2 74	2.4	2 04	1 66	1.00	1.2.1	0.86	0.44	0	0.44	0.86	1.27	1 66	20.0	4:01	2.4	2.74	3.07	3.37	
Column 6	Std dev (oa) for average	oa(i) =	6.79	6.85	69	6.95	86.98	7 02	7 04	1.04	90.7	7.07	7.07	7.07	7.06	7.04	7 02	80.9	300	0.95	6.9	6.85	6.79	
Column 5	Average count per detector	sa(i) =	46.11	46.91	47.62	48.24	48.78	49 21	49 56	00:00	49.0	49.95	50	49.95	49.8	49.56	49.21	48 78	70 0	40.24	47.62	46.91	46.11	
Column 4	Total count	s(i) =	92.2	93.8	95.2	96.5	97.6	98.4	1 66	000	93.0	99.9	100	6.66	9.66	99.1	98.4	97.6	300	0.00	95.2	93.8	92.2	
Column 3	Count on 2nd detector	s2(i) =	69	67.9	66.5	64.9	63	6.09	58.5	55.0	5.5	23	20	46.9	43.7	40.6	37.6	34.5	318	5 6	7.87	25.9	23.2	
Column 1 Column 2 Column 3	Count on 1st detector	s1(i) =	23.2	25.9	28.7	31.6	34.5	37.6	40.6	43.7	76.0	20.0	200	53	55.9	58.5	6.09	63	64 9	2 20	00.0	6/.9	69	
Column 1	ion Beam Shift (ppm)	. <u></u>	45	-40	-35	-30	-25	-20	-15	170	2	? 0	וכ	O (9	15	20	25	30	35	3 5	€	45	

FIG 19